

## ANTIOXIDANT

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### Abstract

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**PURPOSE:** A safe antioxidant, containing a tannin fraction extracted from green tea leaves and Gambir (catechu) as an active constituent, having improved antioxidant action, and suitable for food and cosmetic (including quasi-drugs).

**CONSTITUTION:** An antioxidant containing a tannin fraction extracted from green tea leaves and/or Gambir (catechu), usually consisting essentially of epicatechin (gallate) and/or epigallocatechin (gallate) as an active constituent. The above-mentioned antioxidant in an amount of usually 0.001-2wt%, preferably 1-2wt%, preferably 1-2wt% expressed in terms of tannin fraction is added to a food, cosmetic, etc. The above-mentioned tannin fraction is obtained by extracting usual green tea leaves and/or Gambir (catechu) with a solvent, e.g. acetone/ water, ether or ethyl acetate, further extracting the resultant extract with a solvent or treating the resultant extract with a resin adsorbent, adsorbing the tannin fraction selectively thereon, and purifying the adsorbed fraction.

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### (54) PLASTIC FILM PACKAGING MATERIAL HAVING SPECIFIC FUNCTION

(57) Abstract:

**PURPOSE:** To obtain a plastic film packaging material having specific function improved in prevention of bad odor in retention of freshness of vegetables and fruits and effect for retaining the freshness, by blending an ethylene- adsorbing inorganic material with a deodorant at specific amounts.

**CONSTITUTION:** 100 pts.wt. polyolefin based resin (e.g., polyethylene based resin) is blended with (A) 0.1W50 pts.wt. ethylene adsorbing inorganic material (e.g., Crysbal) and (B) 0.05W5 pts.wt. deodorant (flavonoid based compound extracted from green tea).

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